

FILE NOTATIONS

Entered in NID File ✓
 Map Pinned ✓
 Indexed ✓

Checked by Chief
 Approval Letter
 Disapproval Letter

PWB
8-77-74

COMPLETION DATA:

Completed *11-27-74*

Location Inspected

... TA.....

Bond released

... OS..... PA.....

State or Fee Land ...

LOGS FILED

Editor's Log.....

(No.)

I..... Dual I Lat..... GR-N..... Micro.....

GR..... Lat..... MI-L..... Sonic.....

CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

U-21757

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

True Federal

9. WELL NO.

#44-30

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 30-T17S-R13E

12. COUNTY OR PARISH 13. STATE

Emery

Utah

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

True Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2360, Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FEL and 660' FSL, SE SE

At proposed prod. zone Section 30, T.17S., R.13E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles east of Cleveland, Utah.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660

16. NO. OF ACRES IN LEASE

2550

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

2800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5147'Gr.

22. APPROX. DATE WORK WILL START*

Rig availability

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8" ✓	32# ✓	100' ✓	Cement to surface ✓
6-1/4"	4-1/2"	9.5#	2800'	50 sacks

Operator proposes to drill a well employing rotray tools to test the Kaibab at approximately 2650'.

A 13-3/4" hole will be drilled to approximately 100' to permit running 9-5/8" 32#/ft. H-40 casing which will be cemented to the surface. The casing head will have a series 600 rating. 7" intermediate casing may be set at 1900'. After reaching total depth an appropriate set of electric logs will be run. The contractor will use water base mud for drilling fluid and air. In event commercial production is encountered, 4 1/2" casing will be set through the producing zone and properly cemented. The well will then be completed in accordance with good operating practice.

Blow out equipment will consist of a series 900 double ram preventer, together with fill, kill and choke lines.

The maximum anticipated bottom hole pressure is expected to be approximately 1000 psi.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By

J. L. Fusselman

SIGNED

J. L. Fusselman

TITLE

Operations Supervisor

DATE

August 1, 1974.

(This space for Federal or State office use)

PERMIT NO.

43-015-30027

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

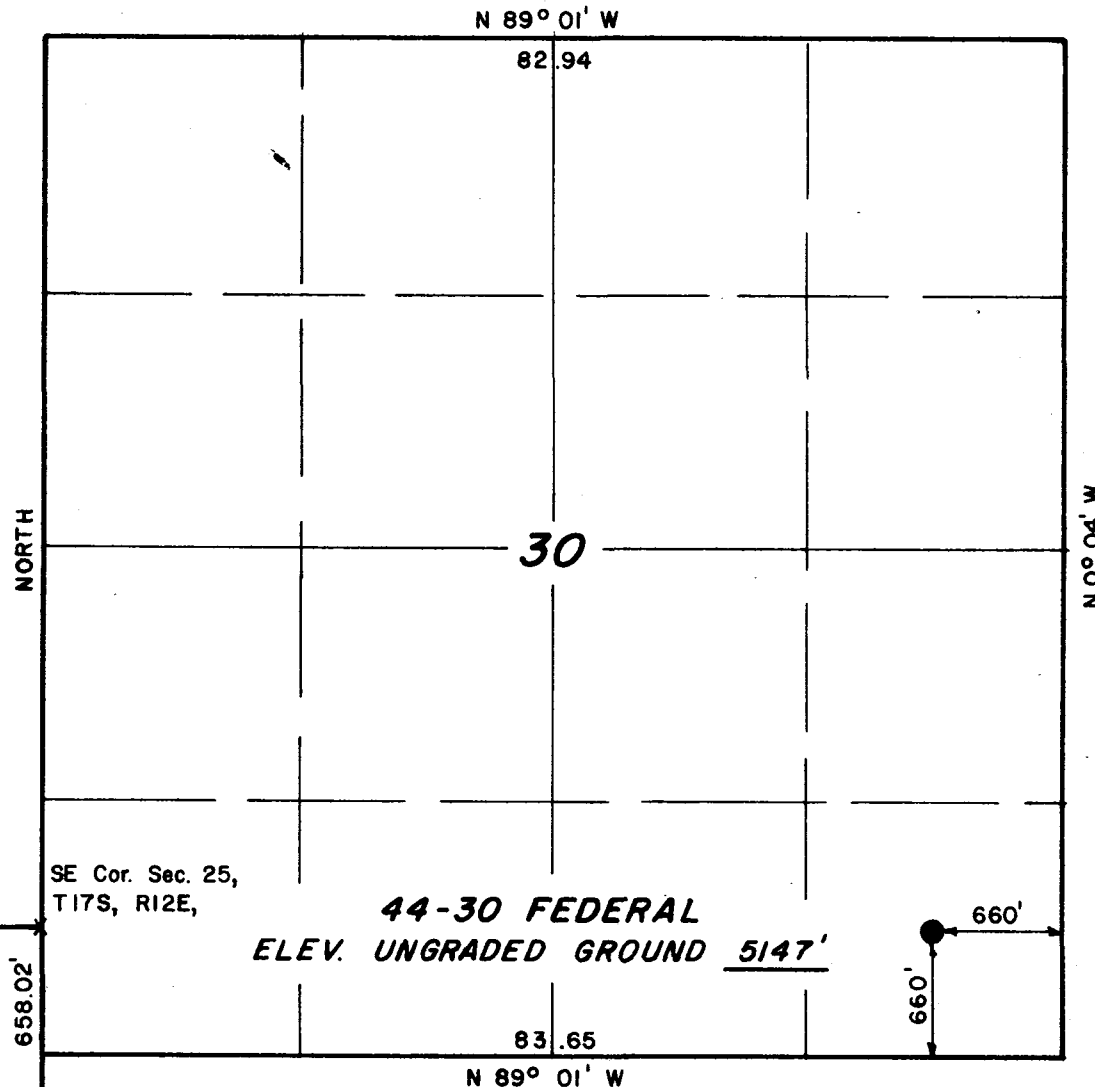
*See Instructions On Reverse Side

USGS 3, State, BLM, Energetics, file

T17S, R13E, S.L.B.&M.

PROJECT
ENERGETICS, INCORPORATED

Well location, 44-30 FEDERAL,
located as shown in the SE 1/4
SE 1/4 Section 30, T17S, R13E,
S.L.B.&M., Emery County, Utah.



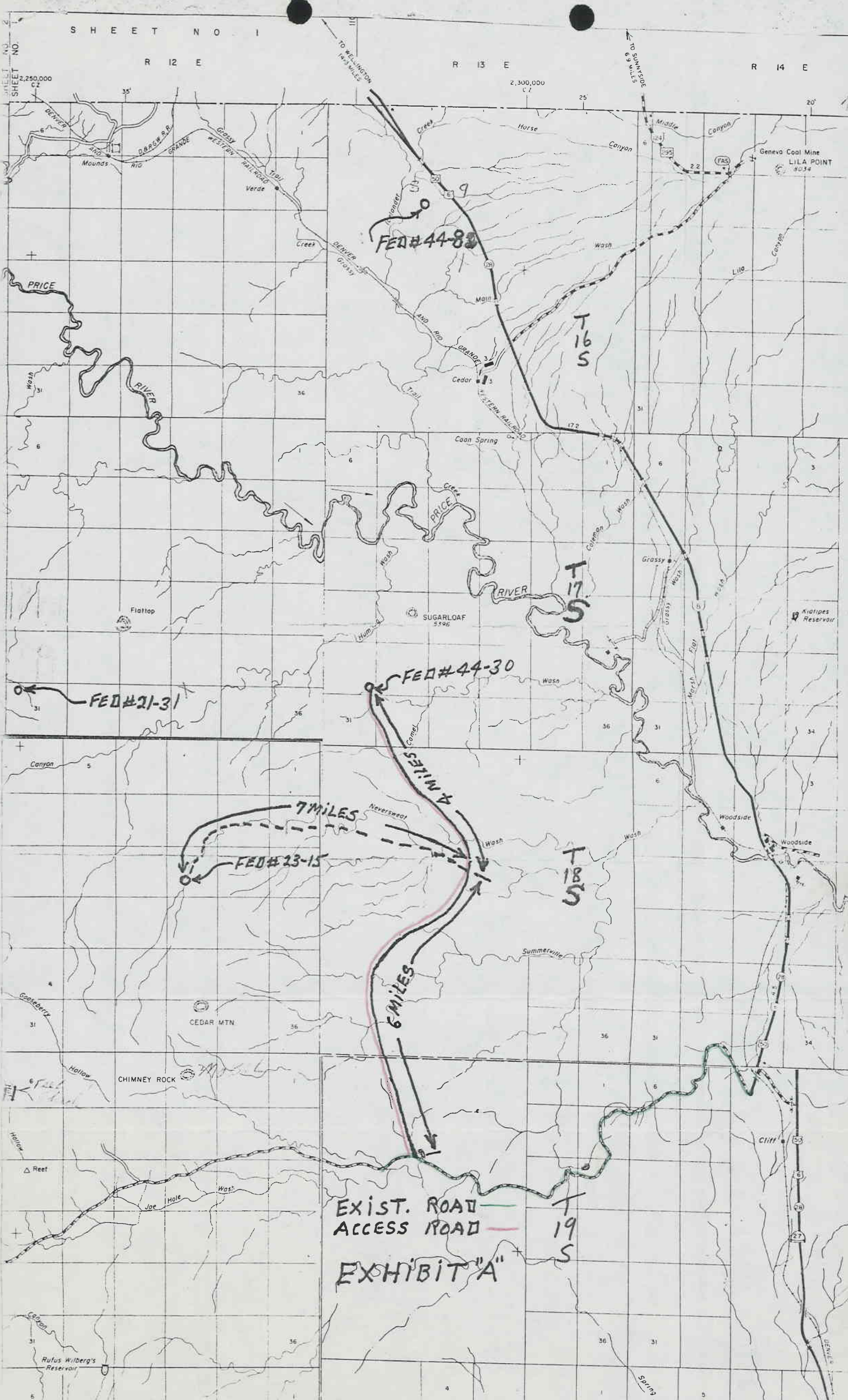
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Laurence C. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE MAY 6, 1974
PARTY L.C.K. J.L.	REFERENCES
WEATHER WINDY	FILE ENERGETICS, INC



FED #44-82

T16S

T17S

FED #44-30

FED #21-31

FED #23-15

T18S

T19S

EXIST. ROAD ———
ACCESS ROAD ———

EXHIBIT "A"

4 MILES

6 MILES

7 MILES

ENVIRONMENTAL IMPACT REPORT
FOR FEDERAL LEASES

Lease, Serial No.: U-21757

True Federal 44-30

SE SE Sec 30, T.17S, R.13E

Emery County, Utah

10-01-0300

The following data is submitted herewith to supplement Sundry Notices Report for Application to Drill the captioned well:

1. Existing roads showing exit from main highway (shown on Exhibit "A").
Remarks: _____
2. Planned access roads are shown on Exhibit "A". (Give brief explanation of any cuts, fills, culverts and cattleguards required.) The access road consists of approximately ten (10) miles of existing trail which will need repair by leveling and widening.
3. Location of wells. (Any producing wells or dry holes of significance in the immediate area will be shown on Exhibit "A") Remarks: _____
4. Lateral roads to well locations in area. (If any, they will be shown on Exhibit "A") _____
5. Contemplated location of tank battery. If needed the site will be determined at that time. Primarily a gas test.
6. Location and type of water supply. (Show location of water, distance from location ~~unknown~~.) Water will be hauled from Neversweet Wash at a location approximately 3 miles southwest of the location or at nearer point if available. Haul with truck.
7. Waste material - ~~all waste material will be disposed of in burn pit.~~ All other debris which cannot be burned will be hauled away or buried in the reserve pit. No burning will be allowed and a chemical toilet will be used.
8. Location of camps. None needed
9. Location of airstrips. None needed.
10. Location layout (size of location, position of rig, mud tanks, reserve pits, etc..) Exhibit "B" is attached showing relative position of rig and accessory equipment. Face derrick to the southeast with pit to the northeast. Location size: 250' L x 150' W. Pit size: 100' square x 5' deep.
11. Plan for restoration of surface: Topsoil will be stockpiled and cuts will be backsloped and held to a 3 to 1 grade. After operations are completed, water bars will be constructed as required, all debris will be cleaned up and the burn pit will be backfilled and leveled. Mud pits will be fenced as required until dry enough to be backfilled, leveled and then the topsoil will be distributed over the area. The site will be seeded with a good quality seed, the mixture of which will meet U.S.G.S. or B.L.M. specifications. Arrangements for use of the surface have been made with the surface owner: Dept. of the Interior and U. S. Geological Survey
12. General description of topography, vegetation and other aspects of the area. (Indicate percents of different kinds of vegetation and give the depth and location of any required cuts.) The surface consists of 50% pasture grass and 50% sagebrush. There will be a 4' cut on the northwest side of the location.
13. Livestock and wildlife protection. All precautions will be taken to protect livestock and wildlife from damage. Any problems concerning livestock and wildlife will be reported to the proper authorities.

Operator, TRUE OIL COMPANY

By: J. W. Taylor

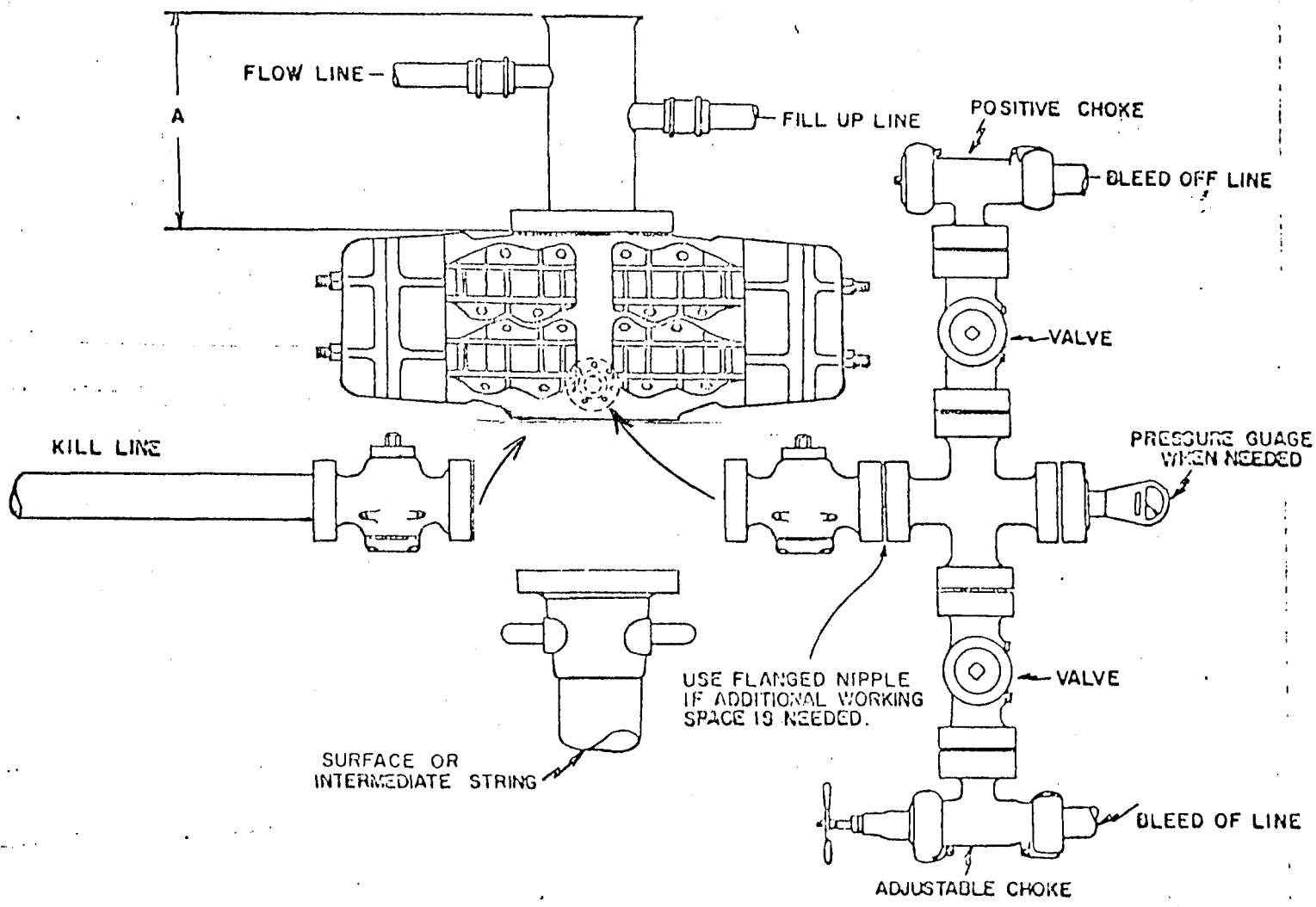
J. W. Taylor/bf

Additional Information

True Federal 44-30

1. Surface casing is to be a 9 5/8" 32.5 lb. J-55 new casing.
2. Casing head is to be a 10 inch Series 600.
3. Intermediate casing is to be 7" 20 lb. J-55 used casing.
4. Blowout preventer sketch is attached. A rotating head will be used.
5. Auxilary equipment will consist of a bit float.
6. The anticipated maximum bottom hole pressure is 1200 psi.
7. Drilling fluid will be water base mud until intermediate casing is set then air drilling is contemplated.

1. only 119
15" 900
12" 900



DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: USA-U-21757

and hereby designates

NAME: True Oil Company
ADDRESS: P. O. Box 411, Casper, Wyoming 82601

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 13 East, SLM

Sec. 19: All

Sec. 30: All

Sec. 31: All

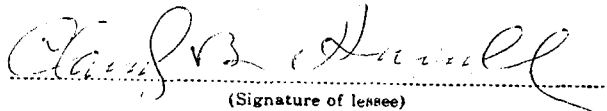
Sec. 21: W/2; SE/4; S/2NE/4

Containing 2559.00 acres, m/1
Emery County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.


(Signature of lessee)

Claud B. Hamill
2306 First City National Bank Building
Houston, Texas 77002

July 8, 1974

(Date)

(Address)

LENGTH OF LOCATION 250'

RIG 4
130'

120'

RESERVE PIT

over all cut 75
Depth 2 ft. 15 x 2

DESANDER

MUD TANK

MUD TANK

MUD
PUMP
C-250

SUB

SUB

CAT WALK

BOILER

100'

WATER TANK
325 bbl

DOG
HOUSE

JUNK RACK

LIGHT PLANT

60'

75

100'

WIDTH 100'

RIG 4

EXHIBIT "B"

August 27, 1974

True Oil Company
Box 2360
Casper, Wyoming 82601

Re: Well No. True Federal #44-30
Sec. 30, T. 17 S, R. 13 E,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
OFFICE: 328-5771
HOME: 277-2890

Due to the increase in Utah's drilling activity, and thus well inspections, it would be greatly appreciated if your company would advise this office as to your drilling contractor, rig number, toolpusher, and date spudded.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-015-30027.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sw
cc: U.S. Geological Survey

9-7-74
9/5/74

☒ Enhances
☐ No Impact
☐ Minor Impact
☒ Major Impact.

Permit Approved 10-24-74
Info COPY TO: Burchell

Well No. & Location Well No. 44-30, SE/4 SE/4 Sec 30-17S-13E SLM
Emery Co., Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action (See also well No 23-15, NE/4 SW/4 Sec. 15-18S-12E, SLM)

1) Reconstruct existing single truck road or jeep trail 3.1 miles from jet to well No. 23-15 to drill site this well. About 6.9 miles of access to this site from jet w/ Woodside - Castledale Road will also be used for access to well No. 23-15. 2) Clear & level drill site 150' x 250' & dig reserve pit 5' x 100' x 100'. 3) Drill a 2800' oil & gas test using rotary tools & mud & air drilling techniques.

2. Location and Natural Setting (existing environmental situation)

Proposed drill site falls on the Book Cliffs Piedmont about 26 miles SE Pice, Utah, 6 1/2 miles west of Hwy 6-50 & about 5 1/2 miles W of Pen-Rio Grande RR & about 3 1/2 mi SW of Pice River on high level plateau near an existing single truck road or jeep trail. There is a small minor drainage channel to SE into Camel Wash. The fine-med grained sandy soil supports a moderate growth of curly grass & sand drop seed grasses w/ scattered y-wing salt brush & scattered mature piñon-juniper. There are no P-S trees on the proposed site.

Desert area. ~~Scat~~ Scattered deer and minimal wildlife.

Area of low rainfall.

Isolated. No residences nearer than 5-6 miles. Silvagni Ranch is 5 miles east.

Effects on Environment by Proposed Action (potential impact)

- 1) Induced & accelerated erosion due to surface disturbance & removal of moderate vegetation at drill site, reserve pit & reconstruction of 3.1 miles of access road, & the facilities using this access & location.
- 2) Minor air pollution from exhaust emissions of rig engines & support traffic. Additional dust from support traffic over access road and from air drilling operations.
- 3) Minor ^{water} pollution potential. Not near any major drainage.
- 4) Minor loss of vegetative cover at drill site & over access road.
- 5) Very minor pollution from human wastes.
- 6) Audible intrusion of a remote area over short term due to operations.

4. Alternatives to the Proposed Action

- 1) Deny approval of permit - Lsa U 21757 grants lessee/operator the right to drill for oil & gas. Denial of approval of permit would deny these rights.
- 2) Relocate proposed site - the proposed site offers minimal environmental impact to the area. No advantage to moving site. This location is necessary to the total exploratory program.

Adverse Environmental Effects Which Cannot Be Avoided

- 1) Induced & accelerated erosion due to removal of vegetation & surface disturbance at drill site & over access road.
- 2) Induced & accelerated erosion due to traffic over access road & on drill site.
- 3) Minor air pollution due to exhaust emissions & dust from traffic & air drlg. operations
- 4) Loss of vegetative cover in disturbed areas.
- 5) Minor disturbance of wild life.
- 6) Minor pollution potential from human wastes & operations.
- 7) Credible intrusion into a remote area over short term.

6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c)).

Date Inspected

9/5/74

Ed. Seymour

Geological Survey
Casper District
Casper, Wyoming

SLC Dist.

7

~~Handwritten~~

11/27/74

Lucie Oil Co

Feb 44-30

sec 30 T17S R13E

Wallace Beaver.

T.D. 2704

Drilled/air to
flow Hiabab

Est Top: Nanji - 353 - Fresh water

Hayate - 722

net 10 $\frac{3}{4}$ ' - 10 $\frac{3}{4}$ "

Wengab - 805

net 7" C 1728

Chunhi - 1280

filled 700-800'

Shenrapt - 1515

Moerkopi - 1568

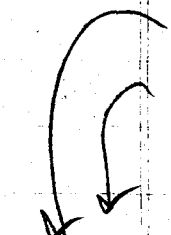
Sanbad - 2290 - No ϕ

L. Moerkopi - 9375

Hiabab 2663 - Water cont. - Brakish

Will recover 7"

- 1) 100' across Hiabab - 2700-2600
- 2) 100' 1750-1650 - across shag 7"
- 3) 100' top of fresh slab
- 4) 75' plug from 125 to 50'
- 5) 10 ft / at surface - hole filled / mud (thin) base.



BLM
might want
an extra well -
if so, well shp.

JMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-21757 Ref #1
2. NAME OF OPERATOR True Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 2360, Casper, Wyoming 82601		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FEL & 660' FSL, SE SE Section 30, T17S - R13E		8. FARM OR LEASE NAME True Federal
14. PERMIT NO. 43-015-30027		9. WELL NO. 44-30
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5147' Gr., 5157 KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T17S-R13E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total depth of the above subject is 2704'. No tests or cores were run and electric logs were run to 2714'. Water was encountered in the Navajo formation and at the request of the BLM the water zone was left open and plugs placed as follows:

- Plug #1: 2700-2600' with 30 sacks - Kalbab
#2: 1750-1650' with 30 sacks - Bottom of 7" casing
#3: 640- 540' with 30 sacks - 7" stub

Recovered 615' of 7" intermediate casing.

The BLM took over to use as water well. Operator will restore surface as soon as weather permits.

18. I hereby certify that the foregoing is true and correct

Original Signed By

SIGNED J. L. Fusselman
J. L. FusselmanTITLE Operations SupervisorDATE 2/20/75

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

4

GEOLOGICAL WELL REPORT

True Oil Company
#44-30 Federal
660' FSL and 660' FEL
Sec. 30-T17S-R13E
Emery County, Utah

AREA: SAN RAFAEL PROJECT
ELEVATION: 5147' Grd, 5157' KB
SPUD: 11/12/74 CEASE DRILLING: 11/27/74
CASING: 10 3/4" at 104' w/100 sacks
7" at 1728' w/50 sacks
615' of 7" casing recovered before plugging
CONTRACTOR: True Drilling Company, Rig #4
TOOL PUSHER: Al McChesney
CORES: None
DST'S: None
LOGS: Schlumberger - Run #1 SP-Dual Induction Laterolog, 1728' to surface casing.
Run #2 Gamma Ray-Dual Induction Laterolog, 2714-1728'
Gamma Ray-Comp. FDC, 2714-1728'
Gamma Ray-SNP, 2714-1728'
GAS DETECTOR: None
TOTAL DEPTH: 2704'
STATUS: P & A
PLUGGING DATA: Received by phone from Ed Gwinn
November 27, 1974 at 11:30 a.m. by W.K. Reaves
10 sacks, plug at surface with regulation marker
75' plug 125' to 50' (top two plugs were omitted as BLM wanted hole left for water well)
100' Plug 25' in stub of 7" casing and 75' above.
100' Plug 1750 to 1650'
100' Plug 2700 to 2600'

WELL HISTORY

11/12/74: Rig up and drill surface hole.
11/13/74: Drilling surface hole.
11/14/74: Nippling up.
11/15/74: Drilling with air.
11/16/74: Tripping at 391' with air mist.
11/17/74: Drilling at 489' with mud.
11/18/74: Drilling at 680'.
11/19/74: Drilling at 965'.
11/20/74: Drilling at 1270'.
11/21/74: Drilling at 1409'.
11/22/74: Drilling at 1638'.
11/23/74: TD 1728, prep to run intermediate logs.
11/24/74: TD 1728', prep to run 7" casing.
11/25/74: Drilling cement, prep to drill plug and shoe.
11/26/74: Drilling 2167' with air.
11/27/74: TD 2704', prep to log.
11/28/74: TD 2704', prep to plug.

SUMMARY

The well was drilled out from under surface pipe at 104 feet with air. Water was encountered in the Navajo formation and circulation system was converted to mud at 391 feet due to a large amount of water entering the hole. The water zone has been left open at the request of the Bureau of Land Management for a future water well completion. The hole was continued to a depth

of 1728 feet and 7" casing was set at this point in the Moenkopi formation. No shows of hydrocarbon were encountered in the section behind 7" casing.

The hole was then continued with air to a depth of 2704 feet. The Sinbad formation was encountered at 2310 to 2370 feet with no shows of gas or oil to this depth. The Kiabab was encountered at 2668 feet with enough water to cause the air system to stop dusting and had to change to an air-mist drilling system. Water increased at 2704 feet with a strong brackish odor and drilling was stopped at this point. No shows of gas or oil were encountered in the lower Moenkopi or Kiabab formations.

The upper Moenkopi section is abnormally thick and appears to be faulted by a reverse fault which causes this increase in thickness. The remainder of the section appears quite similar to control wells. The Kiabab formation was encountered at a point equivalent to a point approximately 70 feet below the top of the Kiabab as drilled in the #44-8 well, indicating that the top part of the Kiabab has been eroded away at this location.

Wallace K. Reaves

Wallace K. Reaves
Consulting Geologist
P.O. Box 2595
Casper, Wyoming 82601

FORMATION TOPS

Formation	Sample Top	E log Top	Datum
Navajo	350'	353'	+4804'
Kayenta	665'	722'	+4435'
Wingate	745'	805'	+4352'
Chinle	1275'	1280'	+3877'
Shinarump	1495'	1515'	+3642'
Moenkopi	1578'	1568'	+3588'
Reverse Fault in the interval 1568-1690'			
Shinarump	----	1690'	+3468'
Moenkopi	----	1750'	+3407'
Sinbad	2290'	2310'	+2847'
Lower Moenkopi	2375'	2370'	+2787'
Kiabab	2663'	2668'	+2489'

SAMPLE DESCRIPTION

Depth Caught	Description
110-120'	Sltst grey-salt & pepper-Pink clay inclusions; anhydrite, white, clear and shale, grey, calc.
120-130'	Sh, gry calc, sltst, gry, s & p; anhydrite, wh, pk, green.
130-140'	A/a.
140-170'	Anhy, wh-clear-pk; sltst, gry-pk; sh, gry.
170-190'	Sltst, gry, mic, pyritic, sndy in part; anhy, wh-pk-cl; sh, gry.
190-200'	Anhy, wh-cl.
200-230'	Sh, gry, mic; anhy, wh-cl-sltst, lt buff-gry, sdy in part.

230-240' Sh, gry, clac; anhy, wh.
240-250' Anhy, wh-cl-w/brn stn, no fluor, no fluor on cut
Some sh, gry & sltst gry.
250-260' Sltst, red, sdy in part; anhy, wh.
260-270' Sltst, lt gry to buff, sdy floating sd grns.
270-280' Sltst, gry-gry grn, calc, mic.
280-290' Sh, gry, v calc poss shly ls;; sltst, lt gry,
grn coloration in spots, poss glauc.
290-300' A/a.
300-310' Ls, gry-brn-argil, dns , no poro or perm, n.s.;
Anhy.
310-320' Ls, lt gry-near wh, hd, f grnd-cryptocxln, tite,
n.s.
320-330' Ls, a/a.
330-340' Ls, lt gry-off wh, v sndy-ss, fg, wh, calc,
well cemented, n.s. or fluor.
340-350' VPS due to connection just above smpl depth.
Ls, gry, dns, lt gry-anhy, brick red sltst.

Top Navajo 350' Sample, 353' E Log

350-360' Ss, f-m grd, some crse grns, subang-subrd-
poorly sorted-well cemented, non calc, no fluor,
n.s.; ss, vf-sltst, grn, tite, n.s., pyrtic;
sh, grn pyritic; sltst, red.
360-370' Ss, f-m gr, subang-subrd, well cemented, poorly
sorted, hd, no fluor, n.s., f poro & perm.
370-380' A/a.
380-390' A/a, abd contamination as water flow increased
greatly, stopped drilling at 391' to mud up.
390-400' Ss, as 360-370'
400-410' Ss, a/a, VPS due to slow penetration and losing
drilling fluid.
410-420' Ss, wh-pale pk, f gr, poorly sorted, subrd-subang,
hd, no fluor, ns.s, f poro & perm, water wet, tr
anhy, wh, lse crse rd qtz gr.
420-430' A/a.
430-450' Ss, pk, m gr, poorly sorted, subrd, fri, n.s.,
no fluor w/soft wh anhy.
450-460' Ss a/a w/sltst, brick red.
460-480' ss, pk, f gr subrd, poorly sorted, hd, n.s., no
flour; anhy w/ tr red sltst.
480-490' A/a.
490-500' A/a.
500-520' A/a.
520-530' A/a.
530-600' A/a.
600-610' A/a.
610-640' Ss, pk, a/a.
640-660' Ss, pk, a/a; dolom, wh-pk, dse, sndy, hd, no poro,
no perm, yel fluor, no stn, no cut.
660-670' Ss, pk, a/a; tr dolom ls, a/a; tr sltst, pale grn.

Top Kayenta 665' Sample, 722' E Log

670-680' Ss, wh-pale gry grn, f gr, subang, fri, no fluor,
n.s., mic, some pk ss a/a.
680-700' Ss, a/a w/ sh, grn.
700-710' ss, a/a, sltst, pk-red-dk brn.
710-740' Ss, wh-pk, f gr, well cemented, subrd, mod sort,
tite, no fluor, n.s.; sltst, red, brn, dk brn, pk.

Wingate 745' Sample, 805' E Log

740-800' Ss & sltst a/a w/sh, pale grn, soft pyrt; sh, brick
red, soft.
800-820' Ss, f-m gr, wh-pk, p sort, well cemented, tite,
no fluor, n.s.; sh, red, pale grn.
820-830' Ss a/a; sltst, brick red; sh, pale grn.
830-840' Sltst, brick red; sh, brick red w/tr pale grn

840-850' A/a.
850-890' Ss, red, some wh, f gr, poorly sorted, subang,
fri, well cemented, poor poro & perm, n.s.;
sltst & sh, red.
890-950' Ss a/a becoming sli less red overall, appears pk
in overall color; sh, brn pyrt; anhy, wh.
950-990' A/a.
990-1050' Ss red-pk, f gr, p sorted, subang, well cemented,
tite, n.s., no fluor, slty.
1050-1100' A/a.
1100-1150' A/a.
1150-1200' A/a.
1200-1220' A/a.
1220-1260' A/a.
1260-1270' Ss, pk, f gr, p sorted, well cemented, subang,
tite, n.s., no fluor, no stn.

Top Chinle 1275' Sample, 1280' E Log

1270-1280 Sh, brick red; tr ss, f gr, pale gr, tite n.s.;
tr ss a/a.
1280-1290' Ss, wh-pale grn, f gr, subang, poorly sorted,
n.s., no fluor; sh, brick red.
1290-1300' Sh, brick red; sltst, brick red; tr ss a/a.
1300-1320' Sh, brick red; sltst, brick red; ss, tr pale grn,
vf gr; tr sh, pale grn.
1320-1340' A/a.
1340-1350' No sample.
1350-1370' Sltst, brick red; tr pale grn sh and ss, pale grn,
vf gr, tite, n.s.; tr anhy.
1370-1380' Siltst, brn-brick red; tr pale grn sh.
1380-1390' Sltst & sh, pale grn, cli calc in part; sltst, brn
& brick red.
1390-1400' Sltst, brick red and brn; tr pale grn sh & sltst;
tr anhy.
1400-1410' A/a.
1410-1430' A/a, sli mor anhy.
1430-1440' A/a, anhy, wh & pk.
1440-1450' Sltst, brick red, some light red; anhy a/a.
1450-1460' A/a.
1460-1470' A/a.
1470-1480' A/a.
1480-1490' A/a.

Top Shinarump 1495' Sample, 1515' E Log

1490-1500' Sh, tan-yel brn, soft, calc; anhy w/ sh; sltst, a/a.
1500-1510' A/a.
1510-1520' A/a.
1520-1540' Sh, tan-yel a/a; mar brn, sltst, mic, calc.
1540-1550' Sh, tan-yel, redish or, lav; sltst, brn, mar, mic;
anhy-wh.
1550-1580' Anhy, wh; sh, varicolored, lav, red, or, yel;
chert, bl, wh, or; sltst, brnish red.

Top Moenkopi 1578' Sample, 1568' E Log

1580-1590' Sltst, brn-red; abd cht, clr-smky; anhy & sh, a/a.
1590-1600' Sltst, red-brn, abd cht, or, smky, clr; anhy, wh
w/red veinlets & motling, v crs lse qtz gr.
1600-1620' Sltst, red & brn; cht & anhy a/a.; v crs lse qtz
gr.
1620-1630' A/a.
1630-1640' A/a.
1640-1660' Sltst, red; sh, red; tr cht & anhy; tr gry grn
1660-1680' A/a.
1680-1690' A/a.

Shinarump #2 by 1690' E Log

1690-1700' Sltst, red; sh, rd; sltst, grn; sh grn.
1700-1710' A/a.
1710-1720' Sltst & sh, a/a.
Some ss, wh-gr, f gr-m, poorly sorted, yel fluor,
fnt fluor on cut, dead oil stn on grains that
fluor, v calc, tite, p poro & perm. No vis
residue or stn after cut.
1720-1728' A/a w/ sli incr in amt of ss w/ blk dead oil
residue (10%) yel fluor, v slow cut, pale bl
yel fluor, no live stn or oil, p poro & perm,
cly fill, calc.
1728' 30" Circ. Sample
A/a.
1728' 60" Circ. Sample
A/a and ss, wh-gry grn, f gr, subang, p sort,
n.s., no fluor, no fluor on cut, mic.
Set 7" casing at 1728'
1730-1740' Sltst & sh, brick red; ss & sltst, wh-gr, vf-slt,
tite, n.s., no fluor, no stn.
1740-1750' A/a.

Moenkopi #2 1750' E Log

1750-1770' Sltst & sh, red; tr sh & sltst, pale grn.
1770-1790' A/a.
1790-1820' A/a.
1820-1860' A/a.
1860-1890' A/a.
1890-1900' No sample.
1900-1920' Sltst & sh, tr; tr gry-grn sltst.
1920-1950' A/a.
1950-1990' A/a becoming v mic in part.
1990-2020' Sltst & sh, red, tr gry grn sh & sltst, v mic in
part.
2020-2050' A/a w/ ss, wh, vf gr, well cemented, poor poro &
perm, n.s., no fluor.
2050-2070' Sltst & sh, tr, tr gry grn sh & sltst.
2070-2090' A/a w/sltst & sh, gry-dk brn; sltst, gr size well
cemented, tite, no fluor, n.s., sli calc to v
calc, mic in part.
2090-2100' No sample.
2100-2120' A/a w/incr in gry-brn sltst & sh, brn sltst,
v anhy.
2120-2157' Sltst & sh, red; some sltst & sh, pale gry grn-wh
n.s., no fluor.
2157-2170' A/a.
2170-2200' A/a.
2200-2230' Sltst & sh, red-dk red; tr sltst & sh, gry grn sh
calc.
2230-2240' A/a.
2240-2250' A/a, w/tr tan-buff sndy ls.
2250-2260' A/a.
2260-2270' A/a, no ls.
2270-2280' Sltst & sh, red-dk red; tr tan-buff sndy ls.
2280-2290' A/a.

Top Sinbad 2290' Sample, 2310' E Log

2290-2300' Dolo, oo, dk gry-pk, yel mineral fluor, no cut,
no stn, p poro & perm, some dk gry dns dol or
dolom ls, v argil & tite.
2300-2310' Ls, dk gry, cypxln, argil, p poro & perm, no stn-
mineral fluor in dolo oo a/a.
2310-2330' Ls, dk gry cypxln, argil, p poro & perm, tr mineral
fluor, no cut.
2330-2340' Ls a/a.

2340-2350' Ls a/a.
2350-2360' Ls cypxln dk gry-gry-buff-lt tan, p poro & perm,
no fluor on cut, some mineral fluor
2360-2370' Ls, dk gry-gry brn, cypxln, p poro & perm, n.s.
2370-2380' Ls, dk gry, buff, tan, crm, cypxln, n.s.
Sltst & sh, dk red.

Top Lower Moenkopi 2375' Sample, 2370' E Log

2380-2390' Sltst & sh, dk red, mic, hd, no fluor, n.s.; tr
ls, gry-buff.
2390-2400' Sltst and sh, dk red, mic, no show.
2400-2450' Sltst & sh, red, mic; tr anhy, wh.
2450-2490' Sltst & sh, red mic; anhy, wh, sndy.
2490-2500' Sltst, dk red-brn-approaching vvf ss, appears
more granular than above, w/more of a brn cast in
color.
2500-2510' A/a.
2510-2530' A/a.
2530-2570' Sltst, dk red brn & pale gry grn-wh; anhy, wh.
2570-2580' A/a.
2580-2590' A/a.
2590-2600' A/a.
2600-2610' A/a.
2610-2620' Sh, gry-grn, frm; sh, gry, v pyrt; sltst, blk-dk
gry, mic, hd, tite, n.s., abd free pyrt & anhy,
wh-buff.
2620-2630' Sh, gry grn pyrt, lse pyrt, lse qtz gr; some sltst
a/a.
2630-2640' Sltst, red; sh, red.
2640-2650' Sltst & sh, gry grn, pyrt; sltst, pk-buff.
2650-2660' A/a.

Stopped Dusting at 2663'

Top Kiabab 2663' Sample, 2668' E Log

2665' Ls, dolo in part, crm w/or cast, cypxln, tr pinpoint
vuggy poro, pyrt, blk carb material on some pieces,
no fluor, v fnt fluor on cut of piece w/carb material.
2665-2670' Ls, wh cypxln, pinpoint vgy poro, no fluor, no
stn, n.s.
2670-2680' Ls, wh cypxln, floating qtz gr, vgy poro, no stn,
tr carb material; tr cht, bl, wh, pyrt, no fluor,
fnt fluor on cut of blk material on ls.
2680-2690' Ls a/a, no fluor, v fnt fluor on cut of piece
w/blk carb material.
2690-2700' A/a.
2704' Encountered increased water flow and recovered no
samples. No further drilling was attempted beyond
this depth.

***CODE OF BIT CONDITION**

T-2.....tooth height 2/8 gone
T-4.....tooth height 4/8 gone
T-6.....tooth height 6/8 gone
T-8.....tooth height 8/8 gone
(if any ONE row has a majority of
teeth broken, add the letters "BT").

B-2.....Tight
B-4.....Medium
B-6.....Loose
B-8.....Locked or gone

1 in gage
0 out of gage
(If out of gage, follow the "0" with
the amount out of under gage in frac-
tions of inches).

Example #2 T6 BT B6 O 1/2
(Teeth 6/8 gone, Broken Teeth,
Bearing Loose and bit out of gage
1/2 inch).

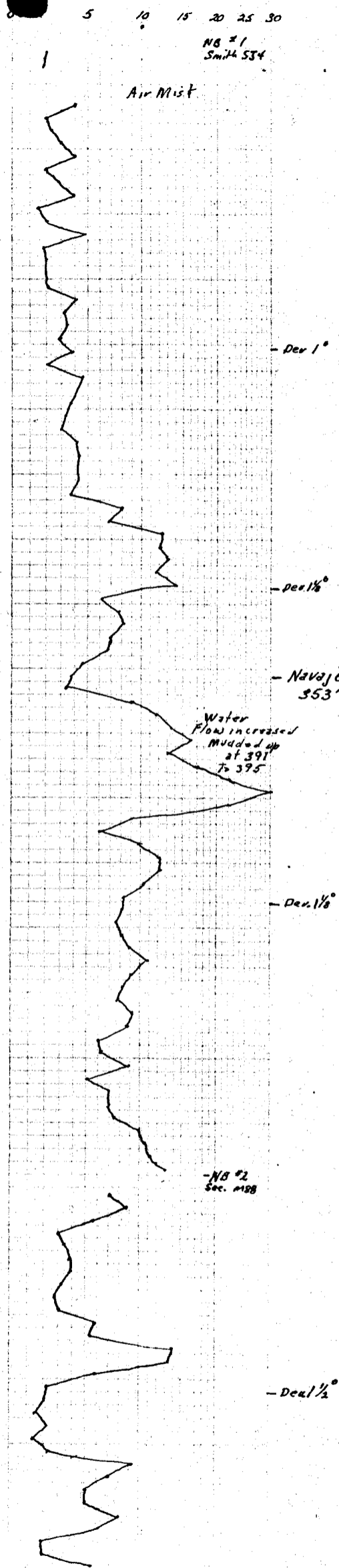
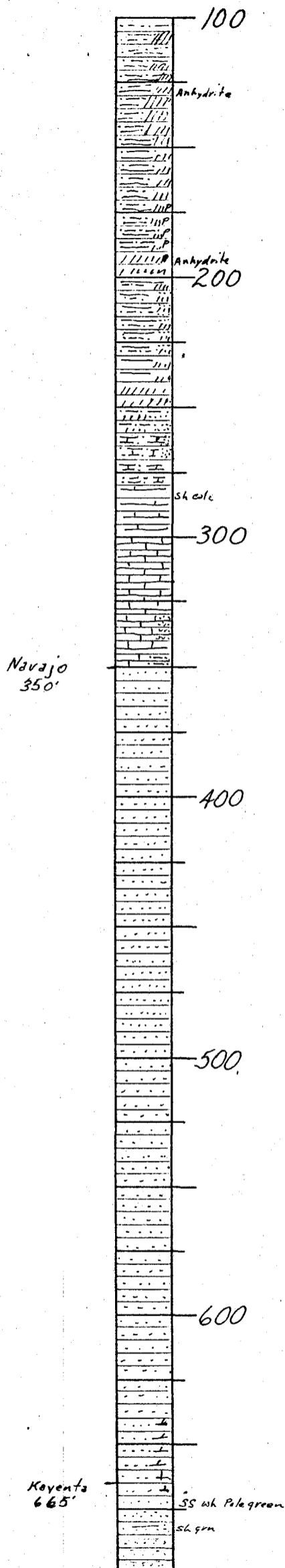


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Branches in all principal oil centers
in the United States and Canada

YOUR
SMITH
REP.

COMPANY True Oil Co				CONTRACTOR True Drilling Co.				RIG NO. 4				COUNTY Emery																							
FIELD Wild Cat		LEASE U-21757		WELL NO. 44-30		SEC. 30		TOWNSHIP 17S		RANGE 13E		BLOCK		STATE Utah																					
TOOL PUSHER AL McChesney				DRILL PIPE 4 1/2 FN				DRAW- WORKS				SPUD DATE 11-12-74																							
DAY DRILLER				TOOL JOINT				POWER				H.P.																							
EVENING DRILLER				DRILL COLLAR				PUMP NO. 1				INT. DATE																							
MORNING DRILLER				DRILL COLLAR				PUMP NO. 2				T.D. DATE 11-27-74																							
BIT NO.		BIT MFGR.		BIT SIZE		BIT TYPE		JET SIZE		SERIAL NO. OF BIT		DEPTH OUT		FTGE.		HOURS RUN		WEIGHT 1000 LBS.		ROTARY R.P.M.		Vert. Dev.		PUMP PRESS		PUMPS			MUD		DULL CODE			REMARKS DATE, FORMATION, CIRC. FLUID, ETC.	
								1 2 3																		No. Liner SPM			Wt. Vis.		T B G				
1		HTC		13 1/2		Retip		12 12 12		RR		110		110		14 1/2		6		150		1		200		5 1/2 6									
1		Smith		8 3/4		4JS		15 15 15		M2580		545		435		56 1/2		15/25		45		1 1/2		950		1 5 1/2 36			8934						
2		Security		8 3/4		M88		9 10 10		534794		1347		802		67		35		45		2 1/2		950		1 5 1/2 44									
3		HTC		8 3/4		J44		9 10 10		XP728		1728		381		39		30																	
4		Smith		6 1/8		F5		0p 15 15		RV182		2706		978																					



FORMATIONS By Samples	DEPTHS	LITHOLOGY	POROSITY	OIL & GAS SHOWS	PENETRATION RATE (min/ ft.)	FORMATIONS By Penetration
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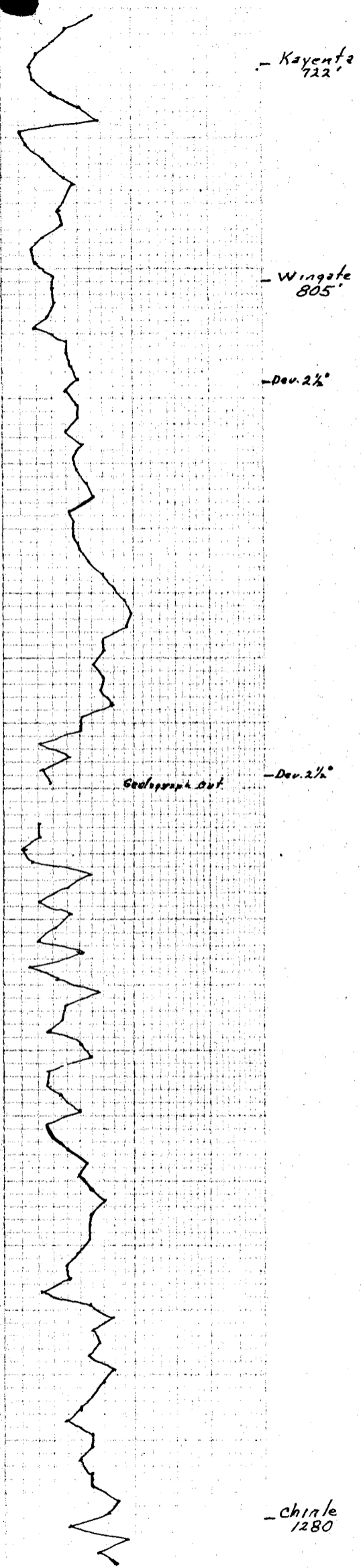
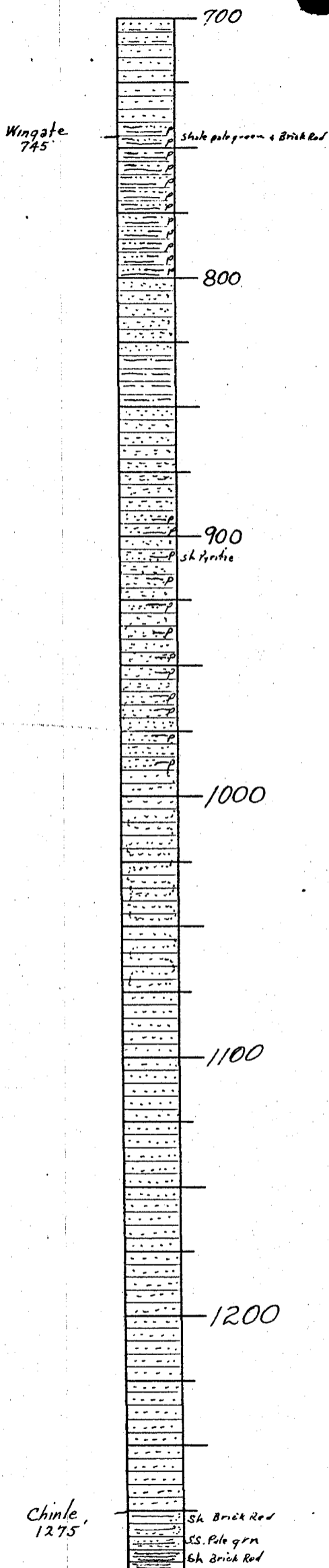
OPERATOR True Oil Co.

WELL 44-30 Federal

LOCATION SESE Sec 30 ELEVATION 5157 KB T77S R13E

Wallace K. Reaves,

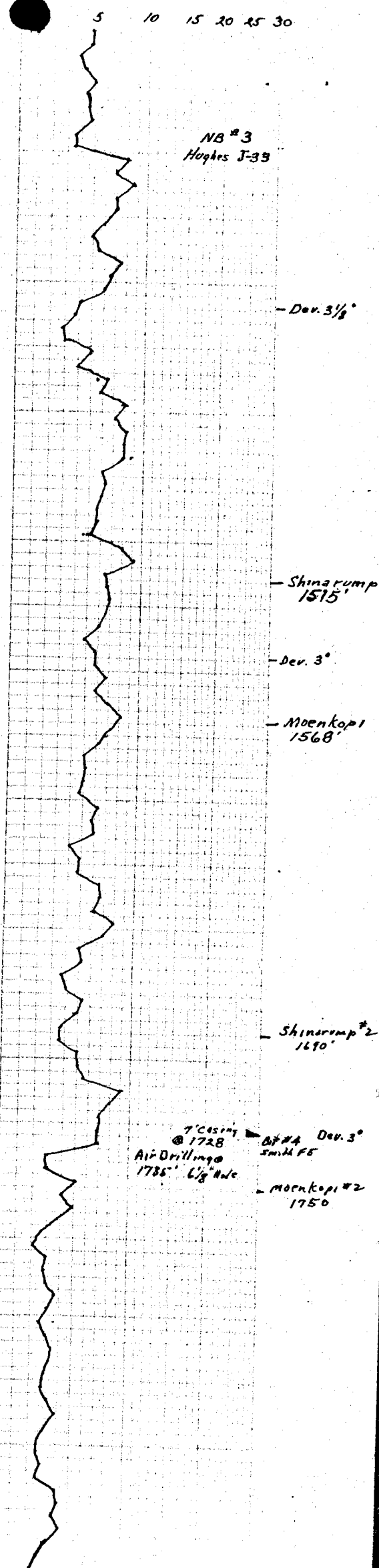
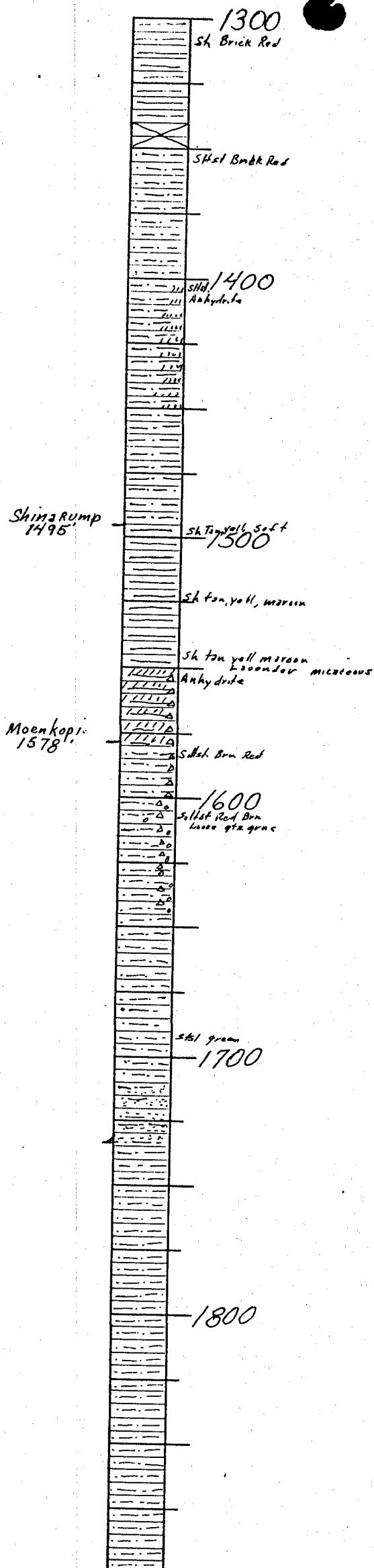
PETROLEUM GEOLOGIST, CASPER, WYOMING



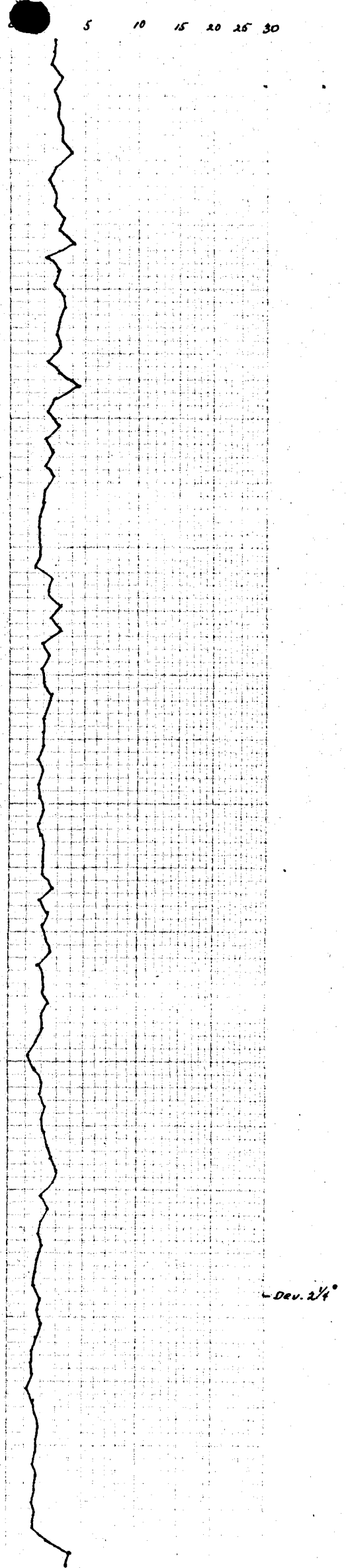
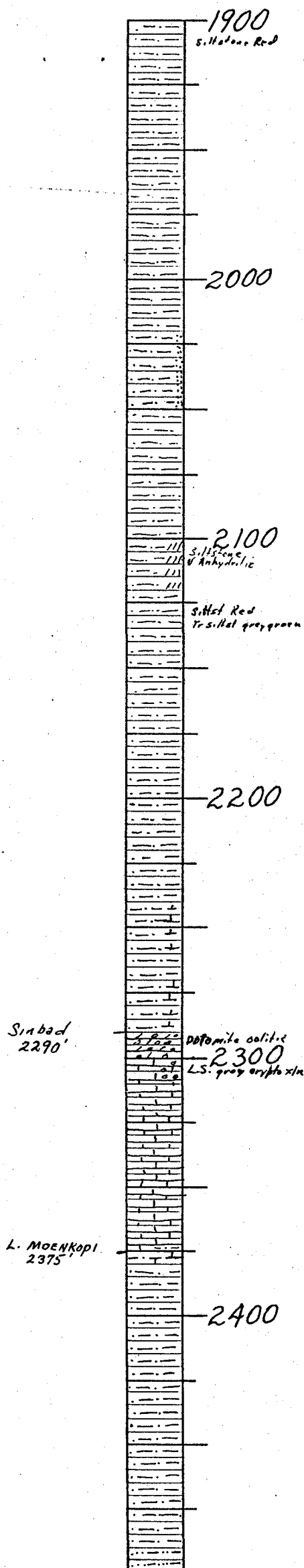
FORMATIONS By Samples	DEPTHS	LITHOLOGY	POROSITY	OIL & GAS SHOWS	PENETRATION RATE (min/ ft.) 5' Ave By Penetration Electric Logs	FORMATIONS
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OPERATOR TRUE OIL Co	WELL 44-30 Federal	LOCATION Sec 30 T17S R13E	ELEVATION 5157 KB
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Wallace K. Reaves, PETROLEUM GEOLOGIST, CASPER, WYOMING



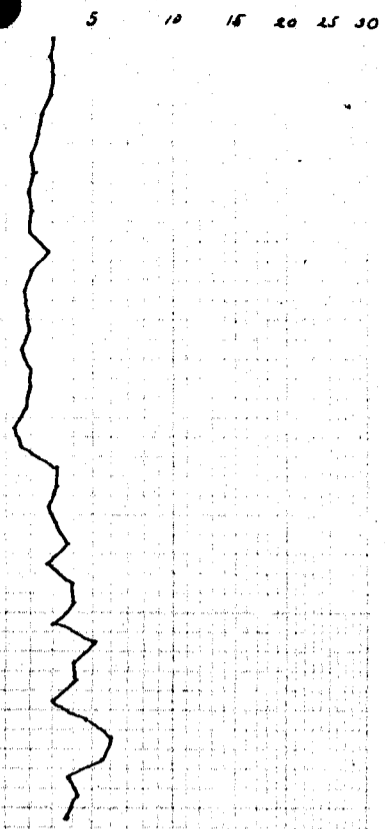
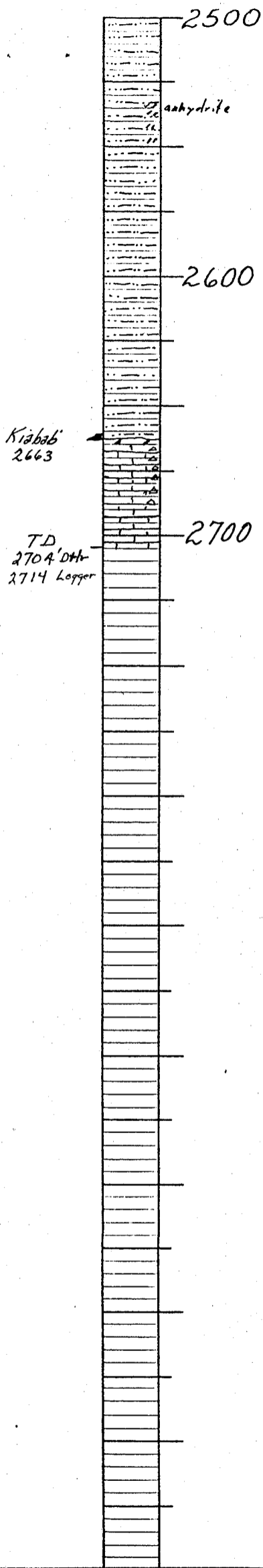
FORMATIONS By Samples	DEPTHS	LITHOLOGY	POROSITY	OIL & GAS SHOWS 0 Dead Oil Str Poor show	PENETRATION RATE (min/ ft.) 5' Aug By Penetration + Electric Log	FORMATIONS By Penetration
OPERATOR TRUE OIL CO.		WELL 44-30 Federal			LOCATION SESE Sec 30 ELEVATION 5157 R.B. T17S R13E	
Wallace K. Reaves,		PETROLEUM GEOLOGIST,			CASPER, WYOMING	



FORMATIONS By Samples	DEPTHS	LITHOLOGY	POROSITY	OIL & GAS SHOWS	PENETRATION RATE (min/ ft.)	FORMATIONS By Penetration
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OPERATOR TRUE OIL CO.	WELL 44-30 Federal	LOCATION Sec 30 T17S R13E	ELEVATION 5157 KB
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Wallace K. Reaves, PETROLEUM GEOLOGIST, CASPER, WYOMING



FORMATIONS By Samples	DEPTHS	LITHOLOGY	POROSITY	OIL & GAS SHOWS	PENETRATION RATE (min/ ft.)	FORMATIONS By Penetration
OPERATOR TRUE OIL CO.					WELL 44-30 Federal	LOCATION SE. SE. Sec. 30 ELEVATION 5157 KB T17S R13E
Wallace K. Reaves,		PETROLEUM GEOLOGIST, CASPER, WYOMING				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Water Well

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

3. ADDRESS True Oil Company

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

660' FEL & 660' FSE SE SE

At top prod. interval reported below

At total depth

Sec 30 T17S - R13E

14. PERMIT NO.

DATE ISSUED

43-015-10027

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)

19. ELEV. CASINGHEAD

11/12/7411/27/74P & A5147 Gr.5157 RB

20. TOTAL DEPTH, MD & TVD

21. PLUG BACK MD., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Water - Navajo Formation

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

28. SP- Dual Ind. LaterologGR - Comp FDC, GR-SNP
GR - Dual Ind. Laterolog
CASING RECORD (Report all strings set in well)No

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>10 3/4"</u>	<u>34#</u>	<u>104' KB</u>	<u>13 3/4"</u>	<u>100 sacks</u>	<u>None</u>
<u>7"</u>	<u>20#</u>	<u>1728'</u>		<u>50 sacks</u>	<u>615'</u>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<u>N/A</u>				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>N/A</u>		

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>None</u>		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Original Signed By

SIGNED J. L. FusselmanTITLE Operations SupervisorDATE 2/21/75J. L. Fusselman

(See Instructions and Spaces for Additional Data on Reverse Side)

STATE OF WYOMING
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry		5. LEASE DESIGNATION AND SERIAL NO. U-21757 Ref #1	
2. NAME OF OPERATOR True Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
3. ADDRESS OF OPERATOR P.O. Box 2360, Casper, Wyoming 82601		7. UNIT AGREEMENT NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FEL & 660' FSL, SE SE Section 30, T 17 S, R 13 E		8. FARM OR LEASE NAME True Federal	
14. PERMIT NO. 43-015-30027		9. WELL NO. 44-30	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5147' Gr., 5157' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T17S-R13E	
		12. COUNTY OR PARISH Emery	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above subject has been plugged and abandoned as follows:

- Plug #1: 2700-2600' with 30 sacks - Kaibab
- #2: 1750-1650' with 30 sacks - Bottom of 7" casing
- #3: 640- 540' with 30 sacks - 7" Stub

Recovered 615' of 7" intermediate casing.

The location is ready for final inspection.

18. I hereby certify that the foregoing is true and correct

SIGNED J. L. Fusselman

TITLE Operations Supervisor

DATE 6/30/75

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____